

# Hui Chen

## List of Publications by Year in descending order

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papers

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840776

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38  
docs citations

38  
times ranked

342  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-temperature oxidation behavior of HVOF-sprayed rare earth-modified WC-12Co coating. Rare Metals, 2022, 41, 3895-3902.	7.1	9
2	Laser decontamination microscopic process study on radioactive contaminations with Cs+ ion of 304 stainless steel surface. Applied Radiation and Isotopes, 2022, 182, 110112.	1.5	5
3	Fatigue properties and fracture behavior of Al/steel butt joints fabricated by laser-MIG welding-brazing. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 2187-2199.	3.4	3
4	Effect of SiC Deposition Behavior on Microstructure and Mechanical Properties of Cold-Sprayed Al5056/SiC Composite Coatings. Journal of Thermal Spray Technology, 2021, 30, 1262-1273.	3.1	6
5	Shear strength and cracking behavior of Cr coatings on zirconium alloy fuel claddings at different strain rates. International Journal of Modern Physics B, 2021, 35, 2150194.	2.0	0
6	Study on SLM Forming Process, Residual Stress and Thermal Fatigue of 24CrNiMo Alloy Steel. Materials, 2021, 14, 4383.	2.9	2
7	Recent progress in intrinsic and stimulated room-temperature gas sensors enabled by low-dimensional materials. Journal of Materials Chemistry C, 2021, 9, 3026-3051.	5.5	48
8	Hydrogen embrittlement of the 7B05-T5 aluminum alloy for high-speed trains. Materials and Corrosion - Werkstoffe Und Korrosion, 2020, 71, 70-76.	1.5	0
9	Electrochemical Corrosion Behavior of TiAlN/CrN Nanoscale Multilayer Coatings by Multi-Arc Ion Plating in 3.5% NaCl Solution. Corrosion, 2020, 76, 628-638.	1.1	6
10	Porosity formation and its effect on the properties of hybrid laser welded Al alloy joints. International Journal of Advanced Manufacturing Technology, 2019, 104, 2645-2656.	3.0	20
11	Effect of charging hydrogen on the tensile properties of A7N01 aluminum alloy friction stir welded joints. International Journal of Modern Physics B, 2019, 33, 1940043.	2.0	1
12	Effect of Vacuum Hot Pressing on Plasma-Sprayed Molybdenum Coatings on Rail Vehicle Axle Steel. Journal of Thermal Spray Technology, 2019, 28, 893-903.	3.1	4
13	Effect of Deposition Strategy on Fatigue Behavior of Laser Melting Deposition 12CrNi2 Alloy Steel. , 2019, , .		1
14	Investigation of porosity in rotating laser-MIG hybrid welding A6N01 aluminum alloy. International Journal of Modern Physics B, 2019, 33, 1940029.	2.0	2
15	x-The Effect of Microstructure on the Corrosion Fatigue Property of A7N01P-T4 Aluminum Alloy Welding Joints. Corrosion, 2018, 74, 1229-1236.	1.1	1
16	Influence of Rare Earth on the High-Temperature Sliding Wear Behavior of WC-12Co Coating Prepared by HVOF Spraying. Journal of Thermal Spray Technology, 2018, 27, 1143-1152.	3.1	11
17	Characterization of Micro-arc Oxidation Coatings on 6N01 Aluminum Alloy Under Different Electrolyte Temperature Control Modes. Journal of Materials Engineering and Performance, 2018, 27, 1890-1897.	2.5	5
18	Study on Fatigue Crack Propagation Behavior in Corrosion Environment of a Cold-Rolled Austenitic Stainless Steel. Corrosion, 2017, 73, 961-969.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Corrosion-fatigue crack propagation of aluminum alloys for high-speed trains. International Journal of Modern Physics B, 2017, 31, 1744009.	2.0	9
20	Microstructure evolution and mechanical properties of 5083 aluminum-Alloy joints by ultrasonic soldering. International Journal of Modern Physics B, 2017, 31, 1744040.	2.0	1
21	Intergranular Corrosion Resistance and Microstructure of Laser-Metal Active Gas Hybrid Welded Type 301L-MT Stainless Steel Joint. Corrosion, 2017, 73, 1202-1212.	1.1	6
22	Elements loss analysis based on spectral diagnosis in laser-arc hybrid welding of aluminum alloy. International Journal of Modern Physics B, 2017, 31, 1744036.	2.0	0
23	Effect of stress concentration on the fatigue strength of A7N01S-T5 welded joints. International Journal of Modern Physics B, 2017, 31, 1744047.	2.0	2
24	Residual Stress and Fatigue Strength of Hybrid Laser-MIG-Welded A7N01P-T4. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2017, 48, 591-601.	2.1	9
25	GROWTH BEHAVIOR OF INTERMETALLIC LAYER ON STAINLESS STEEL IN ALUMINUM HOT-DIPPING PROCESS. Surface Review and Letters, 2017, 24, 1750046.	1.1	6
26	Characteristics of Ni-Cr-Fe laser clad layers on EA4T steel. International Journal of Modern Physics B, 2017, 31, 1744031.	2.0	3
27	Residual Stress Measurement and Calibration for A7N01 Aluminum Alloy Welded Joints by Using Longitudinal Critically Refracted (LCR) Wave Transmission Method. Journal of Materials Engineering and Performance, 2016, 25, 4181-4189.	2.5	8
28	Experimental study on the process of adiabatic shear fracture in isolated segment formation in high-speed machining of hardened steel. International Journal of Advanced Manufacturing Technology, 2016, 86, 671-679.	3.0	13
29	Erosion-Corrosion Property of CeO <sub>2</sub> -Modified HVOF WC-Co Coating. Journal of Thermal Spray Technology, 2016, 25, 815-822.	3.1	25
30	A characterization of microstructure and mechanical properties of A6N01S-T5 aluminum alloy hybrid fiber laser-MIG welded joint. International Journal of Advanced Manufacturing Technology, 2016, 86, 1375-1384.	3.0	23
31	Effect of process parameters on tensile strength in plasma-MIG hybrid welding for 2219 aluminum alloy. International Journal of Advanced Manufacturing Technology, 2016, 84, 2413-2421.	3.0	20
32	Effects of chemical composition on the corrosion behavior of A7N01S-T5 Al alloys. International Journal of Modern Physics B, 2015, 29, 1540025.	2.0	7
33	Corrosion behavior of rare earth modified WC-12Co coating. International Journal of Modern Physics B, 2015, 29, 1540029.	2.0	0
34	Characteristics of microstructure and fatigue resistance of hybrid fiber laser-MIG welded Al-Mg alloy joints. Applied Surface Science, 2014, 298, 12-18.	6.1	55
35	Effects of Rare Earth Elements on the Microstructure and Mechanical Properties of HVOF-Sprayed WC-Co Coatings. Journal of Thermal Spray Technology, 2014, 23, 1225-1231.	3.1	15
36	Corrosion behavior of thermal-sprayed WC cermet coatings in SO <sub>4</sub> <sup>2-</sup> environment. Rare Metals, 2014, 33, 318-323.	7.1	6

#	ARTICLE	IF	CITATIONS
37	Research on the Friction and Wear Behavior at Elevated Temperature of Plasma-Sprayed Nanostructured WC-Co Coatings. <i>Journal of Materials Engineering and Performance</i> , 2010, 19, 1-6.	2.5	24
38	Analysis of the Microstructure and Thermal Shock Resistance of Laser Glazed Nanostructured Zirconia TBCs. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 558-565.	3.1	17